Complete the following for Thursday. Remember that you’ll have a quiz on Thursday.

1. Suppose you buy a new car for 30,000. How much will it be worth in 5 years with 15% depreciation?
2. Use <http://www.money-zine.com/Calculators/Auto-Loan-Calculators/Car-Depreciation-Calculator/>

Change age of vehicle to 0 years and calculate the same thing from number 1. Why is the value slightly different?

1. Complete questions 1 and 2 but use $22,000 and 7 years.
2. The cell-phone growth rate in Africa is about 2% a year. If 15.6 million people had a phone in 2000, how many have a phone now?
3. What are the implications for Africa based on the numbers above?
4. Read <http://mathforum.org/dr.math/faq/faq.e.html> and describe the number e. That is, tell me it’s value and one way it’s calculated.
5. Find out why logarithms were invented. Describe a usage now. (You will probably need to write 3-4 sentences to completely answer these two questions.